

APPENDIX D – CERTIFICATION LETTER:

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March 31, 2014

To whom it may concern:

This letter is to certify that the subject barrier, Autogate Shallow Mount Shield – M-30 VPLSM Barrier, provided by Autogate was tested to the requirements of the ASTM standard F-2656-07, Standard Test Method for Vehicle Crash Testing of Perimeter Barriers, in place at the date of the test.

The test was performed at Calspan Corporation on March 25, 2014. The barrier was impacted by a truck weighing 6763.1 kg (14,910 lbs.) travelling at 53.15 kph (33.03 mph). Dynamic measurements of the test vehicle's payload (truck bed) prove forward motion was halted approximately 333 mm and 371 mm (respectively) before the one meter penetration line. As such, based on the truck mass, impact velocity and penetration into the protected zone, the barrier rating per the ASTM standard F-2656-07 is M30 – P1.

Calspan is accredited to ISO 17025 to perform ASTM F2656-07 testing by Perry Johnson Laboratory Accreditation, INC. under Certificate Number L13-137.

Respectfully,

A handwritten signature in blue ink that reads "Edward Dutton".

Edward Dutton

Senior Test Engineer

Aerospace Sciences | Crash Research | Flight Research | Transportation Research